

Bulletin

PENNSYLVANIA DEPARTMENT OF AGRICULTURE
HARRISBURG, PA.

Published bi-monthly by direction of the Secretary. Entered as second class matter, March 22, 1918, at the Post Office at Harrisburg, Pa., under the Act of June 6, 1900.

Vol. 19

NOVEMBER-DECEMBER, 1936

No. 7

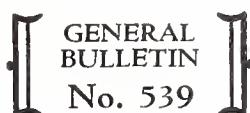
DIRECTORY OF INFORMATION

Useful Farm Bulletins—Publications Available to Pennsylvania Farmers

State Agricultural Associations with Name and Address of Secretary

County Agricultural Organizations with Name and Address of Secretary

National Record Associations of Primary Interest to Pennsylvania



J. HANSELL FRENCH, *Secretary of Agriculture*

YATES CATLIN, *Chief of Crop Reporting and Information*

PENNSYLVANIA DEPARTMENT OF AGRICULTURE

Organization and Services

J. HANSELL FRENCH, *Secy. of Agriculture*

HARRY M. TURRELL, *Deputy Secy.*

This Department is essentially a service agency created by legislative enactment to deal with administrative, regulatory, investigational, and educational problems which can best be solved through public rather than individual action. The organization provides for coordination and cooperation with the Pennsylvania State College and the U. S. Department of Agriculture. The Department conducts the Official Pennsylvania Egg Laying Contest. The Department operates through the following bureaus:

ANIMAL INDUSTRY:

DR. HOWARD M. KALODNER, *Director of Animal Industry*

Prevents and eradicates transmissible diseases of animals and poultry, including tuberculosis of animals in cooperation with Federal Government;

Demonstrates to veterinarians control methods for transmissible animal diseases;

Supervises vaccination for and the prevention of hog cholera, anthrax, black leg and hemorrhagic septicemia;

Protects public from unwholesome meats through ante and post mortem examinations of animals at slaughtering establishments;

Inspects licenses and furnishes information as to breeding, soundness and conformation of stallions and jacks standing for public service;

Enforces law requiring licensing of dogs and providing for protection of livestock and people from attacks of uncontrolled dogs;

Maintains laboratory for diagnostic research and experimental projects.

PLANT INDUSTRY:

R. H. BELL, *Director of Plant Industry*

Tests agricultural seeds for purity and germination, and enforces State Seed Law;

Inspects orchards, parks, farms, and plant imports for injurious insects and plant diseases;

Inspects and licenses Pennsylvania nurseries, and licenses all dealers in nursery stock;

Makes investigations for the control of injurious insects and plant diseases including field tests of insecticides, fungicides and weed killers;

Enforces laws governing apicultural practices, disease control and housing;

Places and enforces quarantine and carries on eradication campaigns against insect pests and plant diseases;

Inspects and certifies potatoes and tomatoes for seed purposes;

Maintains collections of insects, plant diseases, plants, and seeds, and identifies specimens.

FOODS AND CHEMISTRY:

ELMER E. HARTER, JR., *Director of Foods and Chemistry*

Accomplishes its purpose of protecting Pennsylvania homes against harmful foodstuffs by sampling, analyzing, and bringing prosecution under the laws relating to foods and non-alcoholic drinks, including milk, cream, butter, ice-cream, eggs, sausage, fresh meats, soft drinks, fruit syrups, vinegar, and kindred food products;

Regulates and issues licenses for the manufacture and sale of oleomargarine;

Licenses and regulates egg-opening plants, bakeries, ice-cream plants and cold storage warehouses, maintaining regular inspection and enforcing twelve-month storage limit;

Protects honest manufacturers, importers, selling agents and ultimate users of feeding stuffs, fertilizers, lime products, linseed oil, paint, putty, turpentine, insecticides and fungicides, by means of annual registrations followed by inspections, analyses, prosecutions and the publication of the analyses of these products;

Analyzes special samples for residents of the State only at the rate of \$1.00 a sample for feeding stuffs and linseed oils, and \$5.00 a sample for lime products.

MARKETS:

JAMES L. STATES, *Assistant Director of Markets*

Investigates and assists in the marketing of farm products; at present chiefly grain and hay, fruits and vegetables, poultry and eggs, and tobacco;

Compiles and distributes daily market information as to supplies, shipments and prices;

Advises growers on transportation of agricultural products;

Assists cooperative associations and public markets;

Establishes standard grades of farm products and maintains inspection;

Inspects milk plants and creameries and regulates weighing, testing, buying and selling of milk and cream on a butterfat basis;
Assists in the enforcement of the Fresh Eggs Law.

CROP REPORTING AND INFORMATION:

YATES CATLIN, *Chief of Crop Reporting and Information*

Assembles and disseminates essential statistics and facts pertaining to the agriculture of the State from monthly reports rendered by hundreds of volunteer crop correspondents, information which assists the producer in his sales and interests all industries which deal with agricultural products.

Cooperates with U. S. Bureau of Agricultural Economics in joint crop and livestock reporting and publishes annual and monthly summaries of the data;

Conducts Department's editorial and publicity work, including the publishing of the Weekly News Bulletin, official organ of the Department.

COMPTROLLERS OFFICE:

PERCY H. SACHS, *Comptroller*

Audits all fairs held in the State that are eligible for premiums under the law "Encouraging Agricultural Exhibits" and audits State Farm Show;

Supervises all office routines which include transmitting to the Revenue Department all fees, fines and licenses, also passing on all requisitions for expenditures to the Department of Property and Supplies and Treasury Department.

USEFUL FARM BULLETINS

PUBLICATIONS OF THE PENNSYLVANIA DEPARTMENT OF AGRICULTURE

Requests for these bulletins should be addressed to the MAILING ROOM, DEPARTMENT OF AGRICULTURE, HARRISBURG, PA.

No.	Title	No.	Title
235	Beef Production, 1913.	487	Milk Testing Requirements.
340	Brown Rot of Stone Fruit, 1926.	489	The Mexican Bean Beetle.
432	Insect Pests of the Household.	497	The Boxwood Leaf Miner.
435	Penna. Tobacco Situation (1927).	505	Farmers' Cooperative Corporations in Pennsylvania.*
436	Annual Report, 1926.	508	Preservation of Wild Flowers in Pa.
439	Peach Yellows.	509	Lime Report, 1930-1931.*
441	Rose Insects and Diseases.	519	Pennsylvania Food Laws.
445	Pennsylvania Farms, Crops and Livestock, 1926.*	521	Apiary Inspection in Pennsylvania.
446	The Market for Pa. Fruit (1927).	522	Crop and Livestock Report, 1933.
448	Pennsylvania Weeds.	525	Fertilizer Report, 1933.
454	Direct Marketing of Farm Products.	526	Biennial Report, 1932-1934.
461	Fruit and Vegetable Supply for Fifteen Cities (1928).	528	Licensed Nurserymen in Penna.
466	Paint and Oil Report, 1921-1927.	529	Feeding Stuffs Report, 1934.
469	European Corn Borer in Penna.	531	Poisonous Plants of Pennsylvania.
471	Seed Potato Certification.	532	Suggestions for the Retailer, The Pennsylvania Fresh Egg Law.
473	The Japanese Beetle in Penna.	533	Report of Seed Analyses, 1935.
474	Improving Quality by Grading Canning Products, (1929).	534	Licensed Nurserymen in Pennsylvania.
477	The Oriental Fruit Moth.	535	Pennsylvania Crop and Livestock Report.
481	The Hessian Fly in Pennsylvania.	536	Feeding Stuffs Report—1935.
483	Economic Trends of the Vegetable Industry, 1929.	537	Fertilizer Report—1935.
485	Food Standards and Definitions.*	538	Lime Report, 1932-1935.
		539	Directory of Information, Compilation of Agricultural Laws.
		**	Commercial Orchards of Pennsylvania.
			Official Grades for Farm Products.

*These bulletins are distributed by the Division of Documents, ONLY, at a cost of \$0.10 per copy. Please mail requests directly to the Division of Documents, Tenth and Market Streets, Harrisburg, Pa. Postage stamps not accepted in payment for bulletins. Make check or money order payable to the STATE TREASURER, COMMONWEALTH OF PENNSYLVANIA.

**This bulletin is distributed by the Division of Documents, ONLY, at a cost of \$0.50 per copy. Please mail requests directly to the Division of Documents, Tenth and Market Streets, Harrisburg, Pa. Postage stamps not accepted in payment for bulletins. Make check or money order payable to the STATE TREASURER, COMMONWEALTH OF PENNSYLVANIA.

CIRCULARS ISSUED BY THE BUREAU OF PLANT INDUSTRY

Requests for these circulars should be addressed to the MAILING ROOM,
DEPARTMENT OF AGRICULTURE, HARRISBURG, PA.

No.	Title	No.	Title
1	Sprays to Control Garden Pests.	66	How to Dilute Lime-Sulphur Solution and Spraying.
3	The Onion Maggot.	67	Pine Twig Borers.
6	Common Bean Weevil.	68	Control of Insects Which Damage Clothing While in Storage.
7	Winter Injury.	71	Globular Scale.
8	The Dog Flea.	72	Field Mice Control.
9	Apple Spray Schedule.	73	Fumigation with Hydrocyanic Acid Gas.
10	Spray Schedule for Peaches.	74	Beet Leaf Spot.
11	Bordeaux Mixture.	75	Horse-Chestnut Troubles.
12	The Mexican Bean Beetle and Its Control.	76	Lubricating Oil Emulsion as a Control for Scale Insects.
13	Pine Sawflies or "Pine Foliage Cluster Worms."	77	Dutch Elm Disease.
14	Bridge Grafting for Trees Injured by Rabbits and Mice.	78	Round Headed Apple Tree Borer.
15	The Bedbug.	79	Loose Smut of Wheat.
16	Cockroach.	80	Oat Smut.
18	Fire Blight.	81	Blue Mold Rot in Stored Apples.
19	Grape Spray Schedule.	83	White-Marked Tussock Moth.
20	Apple Root Troubles.	86	Apple Tree Tent Caterpillar.
21	Millipedes.	88	Control of Aster Insects and Diseases.
22	Sweet Pea Troubles.	91	Control of Earthworms in Lawns.
23	Spray Schedule for Currants and Gooseberries.	92	Fertilizers for Shade Trees.
25	Maple Shade Tree Troubles.	93	Control of Peach Tree Borer with PDB.
27	Carpet Beetles.	95	Black Knot in Plums and Cherries.
28	Corn Ear-Worm.	96	Sycamore Blight.
29	The Bagworm.	97	Catalpa Leaf Spot.
31	Potato Scab.	98	Corn Smut.
32	Late Blight of Potatoes.	99	Hollyhock Rust.
34	Apple Scab.	100	Slime Mold on Lawns or Garden plants.
35	Snapdragon Rust.	101	Spraying Junipers.
36	Grape Leaf-Hopper.	102	Wheat Rust and the Barberry.
37	Squash Bug.	103	Soil Sterilization.
38	Corn-Root Web-Worm.	104	Silver Fish.
39	Onion Thrips.	105	Sunscauld on Shade Trees.
40	Norway Maple Aphid.	106	Brown Patch in Lawns.
41	Moles.	108	Defoliation and Winter Injury.
42	Protect Cabbage Plants from Root Maggot Injury.	109	Cabbage Yellows.
44	San Jose Scale.	110	Peach Leaf Curl.
47	To Eradicate Ants in Houses.	111	Bacterial Spot of Peach.
48	To Kill Ants in Lawns and Golf Greens.	112	Crown Gall in Fruit Trees.
52	Morgan's Scale.	113	Strawberry Leaf Spot.
55	European Elm Scale.	114	Clover Mildew.
56	Late Blight of Celery.	115	Gladiolus Thrips.
57	Peony Blight.		
59	Cherry Leaf Spot or Shot Hole Fungus.		
62	White Pine Weevil.		
63	Directions for Making Dust Mixtures.		
64	Raspberry Anthracnose.		

PUBLICATIONS OF THE PENNSYLVANIA STATE COLLEGE**

School of Agriculture and Experiment Station State College, Pa.

Agricultural Economics

- B. 208 Milk Marketing in Pennsylvania.
- B. 223 Farm Adjustments in Market Hay Areas of Pennsylvania.
- B. 231 The Relation of the Basic-Surplus Marketing Plan to Milk Production in the Philadelphia Milk Shed.
- B. 242 A Study of the Business Practices of Farmers' Local Cooperative Purchasing Associations in Pennsylvania.
- B. 245 Consumption of Dairy Products by 1,370 Families in Philadelphia.
- B. 251 A Price Plan for Selling Milk by Collective Bargaining Organizations.
- B. 256 Membership Problems in a Milk Marketing Organization.
- B. 263 The Rural Tax Problem in Pennsylvania.
- B. 265 Organizations Affecting Farm Youth in Locust Township, Columbia County.
- B. 268 Membership Problems in Farmers' Cooperative Purchasing Associations.
- B. 278 Potato Marketing in Pennsylvania.

**B. Refers to Bulletins of the Experiment Station; C and L to Circulars and Leaflets of the Extension Service.

B. 281 Marketing Pennsylvania Potatoes in 15-lb. Sacks.
B. 282 A Farm Management Survey of Tioga County, Pennsylvania.
B. 286 The Social Activities of the Families in the Unionville Consolidated School District, Chester County.

B. 292 Labor Requirements for Pennsylvania Farms.
B. 305 Types of Farming in Pennsylvania.
B. 317 Land Use in Pennsylvania.
B. 327 The Supply and Utilization of Milk in Pennsylvania.
C. 151 Farm Tenancy and Lease Forms in Pennsylvania.

Dairying

B. 172 Sunflower Silage for Milk Production.
B. 178 Silage Feeding Experiments for Milk Production.
B. 207 Quality of Silage for Milk Production as Affected by Stage of Maturity of Corn.
B. 247 Effect of Aging the Mix on the Freezing Time, Overrun, and Quality of Ice Cream.
B. 271 Dry Skimmilk in Ice Cream.
B. 296 Electrically Heated Dairy Utensil Sterilizers.
B. 310 Methods of Sampling Milk.

B. 312 Soft-Curd Milk.
C. 72 Suggestions for Selecting and Building a Silo.
C. 107 Building the Farm Dairy House.
C. 111 Feeding the Dairy Cow.
C. 113 Ice Cream Manufacture.
C. 123 How to Adjust Milk Production to the Philadelphia Marketing Plan.
C. 129 Testing Milk and Its Products.
C. 134 Bang's Disease.
C. 139 Milk Houses.

Farm Crops, Soils, Fertilizers

B. 220 The Agricultural Value of Specially Prepared Blast Furnace Slag.
B. 229 Soil Fertility Experiments on Volusia and Westmoreland Soils.
B. 234 Tests of Small Spring Grains.
B. 252 A Field Test of Different Sources of Phosphorus.
B. 259 A Review of Research on the Control of Wireworms.
B. 264 General Fertilizer Tests.
B. 272 Some Effects of Intertillage on Crops and Soils.
B. 284 Corn Borer Control with Farm Machinery.
B. 289 Varieties of Corn for Central Pennsylvania.
B. 306 Potato Growing with Tractor Power.
B. 315 Field Experiments with Phosphates.
B. 323 Pasture Fertilization.
C. 97 How to Fight the Angoumois Grain Moth.

C. 98 Clovers.
C. 99 Buckwheat Production for Pennsylvania.
C. 104 Alfalfa in Pennsylvania.
C. 112 Land Drainage in Pennsylvania.
C. 117 Control of Stinking Smut of Wheat.
C. 128 The European Corn Borer.
C. 136 Seed Treatment for the Control of Oat Smut.
C. 137 Profitable Potato Spraying.
C. 138 Fertilizing Vegetable Crops.
C. 154 Pastures, Old and New.
C. 159 Lime for Sour Soils.
C. 160 Lawns.
C. 167 Potato Culture in Pennsylvania.
L. 22 Producing Hay Where Seedings Failed.
L. 23 Pasture Improvement.
L. 25 Soiling Crops.
L. 26 Fertilizing Farm Crops.
L. 36 Soybeans in Pennsylvania.

Forestry

B. 236 Black Locust in Pennsylvania.
B. 269 The Measurement of Mine Props, Linear Foot, Top Diameter, Weight and Volume Tables.

B. 300 Virginia Pine in Pennsylvania.
B. 325 Effects of Drought on Oak Forests.
C. 130 Plant Forest Trees on Idle Land.
C. 149 Farm Woodlot Timber.

Fruit Growing

B. 169 Lepidoptera Injurious to the Apple in Pennsylvania.
B. 197 The Red-banded Leaf-roller.
B. 205 The Dusky Leaf-roller.
B. 228 The Relationship Between Bacillus Amylovorus and Leaf Tissues of the Apple.
B. 249 Sulphate of Ammonia and Nitrate of Soda in a Sod Orchard.
B. 261 Soil Organic Matter in the Apple Orchard.
B. 277 Emergence Cages and Bait Pails for Timing Codling Moth Sprays.

B. 285 Spraying for Codling Moth Control.
B. 290 The Management of Filler Apple Trees.
B. 301 Baits for Oriental Fruit Moth.
B. 304 A Simplified Method for the Rapid Determination of Lead Residues on Apples.
B. 318 Removal of Spray Residue from Apples.
B. 324 Some Problems in Apple Spraying in Pennsylvania.
C. 96 The Reb-banded Leaf-roller.

- C. 116 Loading Baskets of Fruit and Vegetables into Cars.
- C. 133 Raspberry Diseases.
- C. 153 Home Canning — Vegetables, Fruits and Meats.
- C. 157 Grape Culture.
- C. 158 Grafting and Budding in the Orchard.
- C. 170 Growing Black Raspberries and Blackberries.

Horses, Beef Cattle, Sheep and Swine

- B. 145 Steer Feeding.
- B. 163 Cross-Breeding Delaine Merino Ewes with Purebred Mutton Rams.
- B. 255 Producing Early Lambs.
- B. 288 A Comparison of Feeder Lambs.
- B. 307 Linseed Meal for Growing and Fattening Lambs.
- B. 326 Grinding Corn for Swine.
- B. 328 A Comparison of Grades of Feeder Cattle for Fattening.

- C. 171 Soil Management in the Orchard.
- C. 172 Cherry Production in Pennsylvania.
- L. 43 Apple Spraying Calendar for 1936.
- L. 45 Fruit Varieties in Pennsylvania.
- L. 46 Preparation of Sweet Cider.

Poultry

- B. 235 The Occurrence and Significance of *Salmonella pullorum* in Eggs.
- B. 314 Hen Batteries.
- B. 321 Vegetable Protein in Turkey Rations.
- C. 115 Poultry Housing for Pennsylvania.

- C. 121 Prevent Chick Troubles.
- C. 148 Raising Turkeys.
- C. 168 Dressing Poultry on Farms.
- L. 40 Summer Shelter.
- L. 41 Producing Market Eggs.
- L. 42 Use Clean Feed to Grow Healthy Pullets.
- L. 44 Feeding Chicks.

Tobacco

- B. 193 Tobacco Resistant to Root-rot in Pennsylvania.
- B. 274 Tobacco Seed Bed Management as Related to Wildfire Control.

- B. 322 Control of Tobacco Wildfire; Second Report.
- C. 145 Control of Tobacco Wildfire.
- L. 39 Control of Tobacco Wildfire.

Vegetable Growing

- B. 171 The Bionomics and Control of the Onion Maggot.
- B. 177 Tomato Leaf Spot and Experiments with its Control.
- B. 202 Formaldehyde and Other Disinfectants in the Control of Lettuce Disease.
- B. 226 The Relation of *Bacterium Vignae* to the Tissues of Lima Beans.
- B. 313 Vegetable Variety and Strain Trials, 1933-34.
- C. 58 Potato Insects.
- C. 116 Loading Baskets of Fruit and Vegetables into Cars.
- C. 120 The Family Vegetable Garden.
- C. 122 Vegetable Garden Insects.
- C. 127 Potato Grading.

- C. 138 Fertilizing Vegetable Crops.
- C. 153 Home Canning — Vegetables, Fruits and Meats.
- C. 166 Root Crops.
- C. 169 Control of Cabbage Disease.
- L. 27 Tomatoes.
- L. 28 Bean Culture.
- L. 29 Cabbage.
- L. 30 Cucumbers and Melons.
- L. 31 Onions.
- L. 32 Asparagus.
- L. 33 Celery.
- L. 34 Sweet Corn.
- L. 35 Construction of Small Greenhouses.
- L. 37 Irrigation.
- L. 38 Growing Early Vegetable Plants Under Glass.

Weeds

- L. 1 Buckthorn.
- L. 2 Canada Thistle.
- L. 3 Chicory.
- L. 4 Galinsoga.
- L. 5 Horsetail.

- L. 6 Horse Nettle.
- L. 7 Orange Hawkweed.
- L. 8 Poison Ivy.
- L. 9 Quack Grass.
- L. 10 Wild Onion or Garlic.

Miscellaneous

- B. 225 A Study of the Genus *Eulia* Hubner.
- B. 316 Polyporaceae of Pennsylvania, II.
- B. 319 The Mineral Requirements of Milk Production.
- C. 89 Septic Tanks for the Farm.
- C. 100 Pennsylvania 4-H Clubs.
- C. 110 Measuring Extension Program.
- C. 125 The School Lunch.
- C. 126 Seams and Stitches.
- C. 140 Fly Prevention.

- C. 155 Convenient Kitchens Make Housework Efficient.
- C. 156 Diseases and Enemies of the Honeybee.
- C. 160 Lawns.
- C. 161 Insects Attacking Ornamental Flowering Plants.
- C. 162 Deciduous Shrubs Suitable for Ornamental Planting in Pennsylvania.
- C. 163 Lawn Grass Insects.
- C. 165 Amateur Flower Shows.

IMPORTANT

REQUEST ONLY those bulletins in which you are particularly interested.

For Farmers' Bulletins listed on bottom of page 7 and on pages 8, 9, 10, and top page 11, write to your U. S. Senator or Congressman or to the OFFICE OF INFORMATION, DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

For publications listed at bottom of page 3 and top of page 4, write to the MAILING ROOM, DEPARTMENT OF AGRICULTURE, HARRISBURG, PA.

For bulletins listed at bottom of page 4 and on pages 5 and 6, write to the DIRECTOR OF EXPERIMENT STATION, STATE COLLEGE, PA.

FARMERS' BULLETINS AND LEAFLETS*

U. S. DEPARTMENT OF AGRICULTURE

Unless price is stated, farmers bulletins may be obtained free (providing request does not exceed 10 bulletins) as long as the supply lasts. Make your request to your Senator or Representative in Congress or direct to the Office of Information, Department of Agriculture, Washington, D. C.

Home Bulletins

Ants: Preventing damage by termites or white ants	1472	Chimneys and fire-places	1649	Heating the farm home	1698
Red harvester ant	1668	Cotton fabrics	1449	Housecleaning made easier	1180
Baking, home	1450	Covers, slip,	L76	Ice creams without stirring	L49
Bedbugs	754	Disinfectants, com- mon	926	Kitchens , convenient	1513
Beef, grading and stamping service	L67	Dressmaking: Fitting dresses and blouses	1530	Lamb: Boning lamb cuts	L74
Birds: Birds of South eastern States	755	Eggs at any meal..... Making and pack- ing egg cases.....	L39 L64	Laundering, home	1497
Birds useful to farmer	730	Fire: Farm fire safe- guards	1643	Lawns	1677
Crow in relation agriculture	1102	Fires on farms..... Protective con- struction on the farm	L44 1590	Meals, school	712
European starling in U. S.	1571	Flea control	897	Markets: Public roadside markets..	L68
Food of well-known birds	506	Floors, and floor cov- ering	1219	Mosquitoes	1570
Game, aquatic, and rapacious birds..	497	Flowers: Annual flowering plants Chrysanthemums .. Dahlias for the home	1171 1311	Pickles, making fer-mented	1438
Homes for birds..	1456	Flower garden, enemies of ..	1370	Plumbing, farm	1426
Local bird refuges ..	1644	Garden irises	1495	Plumbing repairs, simple	1460
Propagation of aquatic game birds	1612	Herbaceous peren- nials, 10c	1381	Pop corn	1679
Propagation of up-land game birds	1613	Roses	750	Rat - proofing build- ings	1638
Sparrow control, English	L61	Rose diseases	1547	Rat control	1533
Buildings: Bracing farm buildings..	L77	Food: Care of food.. Food for children.. Good food habits for children	1374 1674 L42	Reservoirs for farm use	1703
Wind resistant construction for farm buildings		Gardens: City home gardens	1044	Sewage, of farm homes	1227
Butter: Making on the farm		Farm gardens, 10c	1673	Sheets and pillow-cases, quality guides in buying	L103
Storing farm butter for winter....	L9	Gasoline and kero-sene on farm, safe use and storage of	1678	Stain removal from fabrics	1474
Cellars, making dry..	1572			Vinegar making	1424
Cheese: Cottage.....	1451			Water supply, farm- stead	1448
Neufchâtel and cream cheese ...	960			Window, curtaining..	1633
				Woods: The farm woods — a sav- ings bank pay-ing interest	L29

*Leaflets are indicated by "L" before the number.

Livestock, Poultry and Bees

Barns: Beef cattle barns	1350	Self-feeding versus hand-feeding hogs	1504	Eradicating tuberculosis from poultry and swine	L102
Dairy barns, construction	1342	Swine production	1437	Feeding chickens	1541
Dairy-barn ventilation	1393	Tuberculosis of hogs	781	Fowl tick, the	1070
Blackleg	1355	Horses: Breaking and training colts	1368	Goose raising	767
Breeding of animals	1167	Breeds of draft horses	619	Guinea fowl, the	1391
Cattle: Beef calf, the	1135	Breeds of light horses	952	Incubation and brooding of chickens	1538
Beef production	1592	Dourine of horses	1146	Marketing eggs	1378
Beef slaughtering, cutting and curing	1415	Farm work horses	1419	Marketing poultry	1377
Breeds of beef cattle	612	Feeding horses	1030	Mites and lice on poultry	801
Breeds of dairy cattle	1443	Horse bots, control of	1503	Poultry diseases	1652
Cattle grubs or heel flies	1596	Horse-breeding suggestions	803	Poultry houses	1554
Cattle-scab control	1017	How to select a sound horse	779	Poultry keeping in back yards	1508
Dairy herd improvement	1532	Larkspur or "poison weed"	988	Poultry raising, farm	1524
Dairy herd improvement associations	1604	Livestock: Bang's Disease	1704	Poultry records	1614
Dairy farm houses	1214	Cottonseed products for livestock	1179	Protecting poultry from predacious birds	L96
Dehorning, castrating, branding and marking beef cattle	1600	Health of livestock in transit	L38	Turkeys: Dressing and packing turkeys for market	1694
Feeding cattle for beef	1549	Livestock poisoning by plants producing hydrocyanic acid	L88	Turkey raising	1409
Feeding dairy cows	1626	Stock poisoning death camas	1273	Rabies or hydrophobia	449
Feeding dairy cows in summer	17	Tuberculosis in livestock	1069	Sheep: Breeds of sheep	576
How to eradicate cattle lice	909	Ways to save young livestock	L1		
Judging beef cattle	1068	Loco-weed Disease	1054		
Management of dairy bulls	1412	Milk: Care of milk utensils	1675		
Management of dairy cows	1470	Cooling milk and cream	976		
Udder diseases of dairy cows	1422	Improved sanitation in milk production	L3		
Warts on cattle	175	Milk for the family	1705		
Garbage, feeding to hogs	1133	Milking machines, cleaning	1315		
Goats: Milk goats	920	Preventing feed flavors and odors in milk	L25		
Angora goats	1203	Production of clean milk	602		
Hemorrhagic septicemia	1018	Mule production	1341		
Hides, curing and marketing	1055	Pigs: Roundworms in pigs	L5		
Hogs: Breeds of swine	1263	Poultry: Breeds of chickens, I American	1506		
Castration of hogs	1357	Breeds of chickens, II Continental	1507		
Diseases of swine	1244	Capons	849		
Fitting, showing and judging hogs	1455	Duck raising	697		
Hog cholera	831				
Hog lice and hog mange	1085				
Hog-lot equipment	1490				
Pork on the farm: killing, curing, canning	1186				
Practical hog houses	1487				

Crops, Insects and Crop Diseases

Alfalfa: Control of weevil	1528	High-grade alfalfa hay	1539	• Apple-orchard renovation	1284
Garden webworm in alfalfa	944	Apples: Apple bitter rot	938	Packing apples in boxes	1457
Alfalfa caterpillar	1094	Apple blotch	1479	Northwestern apple - packing houses	1204
Alfalfa-seed chalcid control	1642	Diseases of apples in storage	1160	Powdery mildew of apples	1120
Green clover worm in alfalfa	982	Apple growing East of Mississippi River	1360		

Preparing apples for market in barrels and boxes	1695	Cowpeas	1148	Marketing hay by modern methods	1700
Apple scab	1478	Marketing cowpea seed crop	1308	Measuring hay in stacks	L72
Apple-scald	1380	Utilization of cowpeas	1153	Timothy	990
Army worm: Fall army worm control	752	Cranberry , establishing fields	1400	Harlequin bug and its control, the	1712
True army worm	731	Managing cranberry fields	1401	Hessian fly	1627
Asparagus culture....	1646	Cricket: Porto Rican mole cricket	1561	Hops	304
Bugworm on shade trees	701	Crops: Growing root crops for livestock	1699	Insects: Angoumois grain moth	1156
Barberry (common) and black stem rust	1544	How to increase yields	924	Aphids injurious to fruits	1128
Bean diseases	1692	Cucumber growing.. Cucumbers for pickles	1563	Carbon disulphide as insecticide.....	799
Beetles: Bark beetles and pin-hole borers	763	Currants and gooseberries	1398	Green-bug or spring grain aphid	1217
Mexican bean beetle in East	1624	Cutworm control Cutworms in the garden	739	How to detect insect outbreaks....	835
Weevils in beans and peas	1275	Dewberry growing....	1403	Insects injurious to greenhouse plants.....10c	1362
Billbugs, how to control	1003	Drugs: Drying crude drugs	1231	Insect pests in stored grain 10c	1483
Blackberry growing Diseases of raspberries and blackberries	1399	Drug - plant cultivation	663	Lycus powder-post beetles	1477
Bordeaux mixtures....	994	Emmer and spelt....	1429	Protection of log cabins, rustic work and unseasoned wood from insects	1582
Flaxwheat	1062	Fertilizers: Home mixing of	L70	Spotted garden slug	959
Cabbage: Diseases of cabbage	1439	Foulbrood , the treatment of	1713	Laud , clearing	1526
Preparing cabbage for market	1423	Fruits: Canning fruits and vegetables	1471	Lettuce , growing....	1609
Celery, growing.....	1269	Containers used in shipping fruits and vegetables....	1579	Manning , green	1250
Cherries: Brown-rot of prunes and cherries	1410	Drying fruits and vegetables	984	Melon aphid, the.....	1499
Growing cherries East of Rocky Mountains	776	Fruit and vegetable gardens....	1242	Millet: Proso or hog millet	1162
Leaf-spot of cherries	1053	Growing for home use	1001	Mole control	1716
Chiuch bug	1498	Ginseng culture	1184	Moths: Leopard moth	708
Clover: Clover - leaf weevil	1484	Ginseng diseases....	736	Mouse control in field orchard	1397
Control of clover flower midge	971	Grafting: Bridge grafting	1369	Mushroom culture	1587
Hulling hard clover seed	676	Grains: Farm bulk storage small grains	1636	Muskmelons	1468
Corn: Broomcorn	1631	Green bug or spring grain aphis	1217	Oats: Fall-sown	1640
Better seed corn....	1175	Insect pests in stored grain 10c	1483	Northeastern states	1659
Corn Belt farming under corn-borer conditions	1681	Irrigation of small grains	1556	North Central states	1581
Corn culture	1714	Stored grain pests	1260	Spring - sown red oats	1583
Corn earworm, Eastern States....	1651	Grape: Grape districts and varieties	1689	Okra	232
Corn and its uses as food	1236	Grape Propagation	471	Onions: Culture.....	354
Corn-root aphis control	891	Utilizing muscadine grapes	1454	Onion diseases.....	1060
Cornstalk borer, the larger	1025	Grasses: Important cultivated grasses	1254	Onion seeds and sets	434
Costs of husking corn in the field, methods	1715	Johnson grass as a weed	1537	Pastures: Eradication of ferns from	687
European corn borer, the	1548	Reed canary grass	1602	Peaches: Growing....	917
Farm practices under corn borer conditions	1562	Secondary cultivated grasses	1433	Peach borer	1246
Hecker - shredders in corn-borer control	1662	Grasshopper control	1691	Peach insects in the south	1557
Husker - shredder on eastern Corn Belt farms	1589	Grubs, common white	940	Preparing peaches for the market....	1702
Rag-doll seed tester, the	948	Hay: Haying equipment	1525	Peas: Field peas as forage	690
Roughheaded corn-stalk beetles	875	Haystackers	1615	Peas for canning....	1255
Sweet corn for the cannery	1634	Johnson grass hay and pastures.....	1597	Seed peas for the canner	1253
				Perfume mint and spearmint as farm crops	555
				Persimmons , the native	685
				Plants: Propagation of plants	157
				Plows: Moldboard....	1690
				Poison ivy and sumac	1166
				Potatoes: Marketing late potatoes.....	1578

Potato tuber diseases	1367
Production of late potatoes	1064
Seed potatoes	1332
Storage and houses Why potatoes run out	847
Ragweed: How to control ragweed, the principal cause of autumn hay fever	1436
Raspberry culture.....	L95
Diseases of raspberries and blackberries	887
Rice: Handling rough rice for high grade	1488
Prairie rice culture	1092
Root-knot	1345
Rye: Culture in the East	756
Seed marketing hints	1232
Soil productivity: Crop rotation	1475
Sorghums: Harvesting grain	1577
Producing sorgo for syrup	1619
Sorghum for forage	1158
Sorghum midge	1566
Sorgo-syrup manufacture	1389
Soybeans	1520
Soybean hay and seed	1605
Soybean utilization	1617
Sprays: Lubricating oil sprays for dormant fruit trees	1676
Strawberries: Ever-bearing	901
Marketing strawberries	1560
Strawberry culture in East	1028
Strawberry diseases	1458
Strawberry varieties	1043
Sudan grass	1126
Sweet clover	L23
Sweet clover in corn belt	1653
Sweet potatoes: Diseases of	1059
Storage of sweet potatoes	1442
Sweet Potato growing	999
Sweet potatoes in heated tobacco barns	1267
Termites: Injury to buildings by termites	L101
Thresher: Combined harvester and thresher	1608
Timothy	990
Huron timothy	L99
Tobacco: Cigar tobacco production in Pennsylvania	1580
Curing tobacco	523
Green June beetle larvae in tobacco beds	1489
Steam sterilization of soils for tobacco and other crops	1629
Tobacco budworm	1531
Tobacco culture	571
Tobacco cut-worms	1494
Tomatoes: Canning and manufacturing	1233
Greenhouse tomatoes	1431
Preparing tomatoes for market	1291
Tomatoes as a truck crop	1338
Tractor plowing, laying out fields for	1045
Trees: Bagworm on shade trees	701
Chestnut blight	1641
Christmas trees a cash crop for the farm	1664
Damage by rabbits	702
Deciduous shade tree insects. 10c..	1169
Growing black locust trees	1628
Growing coniferous trees	1453
Growing hardwood seedlings	1123
Lo b l o l l y pine primer	1517
Long-leaf pine primer	1486
Nut-tree propagation	1501
Planting black-walnut	L84
Propagation of trees and shrubs	1567
Slash pine	1256
Farmers in Northern states grow timber as a money crop	1680
Shortleaf pine	1671
Transplanting trees and shrubs	1591
Trichinosis	L34
Vegetables, home storage of	879
Preparation of bunched vegetables for market	1594
Seeds for the home and market garden	1390
Vegetable diseases and insects	1371
Velvet bean	1276
Watermelons	1394
Webworms	1258
Weed control	660
Wheat: Combination cleaning and treating of seed wheat, the	L33
Common barberry and black stem rust	1544
Growing winter wheat, eastern states	596
Hard red spring wheat	1621
Nematode disease of wheat and rye	1607
Scab of wheat and barley	1599
Polish and Poulard wheats	1340
Soft red winter wheats	1305
Varieties of hard red winter wheat	1585
Wheat jointworm	1006
Wheat smuts and their control	1711
Wheat strawworm	1323
Winter wheat adapted to East	1168
Woodlands: Forestry and farm income	1117
Improvement of farm woods	1177
Measuring and marketing farm timber	1210

Miscellaneous Subjects

Accounts: Diary for farm accounts....	782
Arbor Day	1492
Concrete, plain, for farm use	1279
Small concrete construction on the farm	1480
Drainage: Farm drainage	1606
Earthworms	1569
Erosion: Strip cropping to prevent erosion	L85
Farms: Analyzing the farm business	1139
Beautifying the farmstead	1087
Farm bookkeeping	511
Farm budgeting	1564
Farm cost Accounting	572
Farm inventories	1182
Farm lease contract	1164
Painting on the farm	1452
Planning the farmstead	1132
Planning and recording family expenditures	1553
Selecting a farm	1088
Farming: Dairy farming for beginners	1610
Fur farming for beginners	L27
Frost Damage: Prevention of	1588
Garlic: Wild garlic and its control	L43
Gullies: Controlling gullies by blue-grass sod	L82
How to control gullies	1234
Horseshoeing, farm	1535

Irrigation: Border method of irrigation	1243	Cotton Belt.....	1663	Rural community fire departments	1667
Corrugation irrigation	1348	L i g h t n i ng , protecting building from	1512	Rural community buildings	1173
Drainage of irrigated farms	805	L i m i ng s o i ls	921	Rural Hospitals.....	1485
Irrigation for beginners	864	L o g s and poles in farm construction	1660	S ho e s , leather	1523
Measuring water in irrigation channels.....	1683	M a r k e t ing , farm produce by parcel post	1551	S k u n ks , value of.....	587
Orchard Irrigation	1518	M u s k r a t	869	S p hi n x , the catalpa	705
Pumping wells for irrigation	1401	P a i n t : Why some wood surfaces hold paint longer than others	L62	Tanning, leather and small skins	1334
Spray irrigation in the east	1529	R a b <td>1568</td> <td>Terracing, farm</td> <td>1669</td> 	1568	T e r r a c i ng , farm	1669
Surface irrigation in east	1635	R a t c o nt rol : Red squill powder in rat control	L65	T i m b, preservative treatment of Selling black walnut timber	744
Legumes: Inoculation of legumes and nonlegumes..	1496	R u r a l B u il d in gs : For business and social use	1622	W a t e r p o w e r , farm..	1658
Winter legumes as green manure in				W a t e r o o f fi ng , a d mildewproofing cotton duck	1157
				W i n d b as a farm asset	1405
				W o o d ch u e k control, East	L21

PENNSYLVANIA AGRICULTURAL ORGANIZATIONS—1934*

Name and Address of Secretary Given

STATE COUNCIL OF AGRICULTURAL ORGANIZATIONS—Miles Horst, Telegraph Building, Harrisburg.

FORMER STATE BOARD OF AGRICULTURE—Robert W. Lohr, Boswell.

PENNSYLVANIA STATE GRANGE—John H. Light, Telegraph Building, Harrisburg.

SOCIETY OF FARM WOMEN OF PENNSYLVANIA—Mrs. Martin A. Moore, Lititz.

PENNSYLVANIA FARM BUREAU FEDERATION—David Landis, Lancaster, R. D. No. 7.

PENNSYLVANIA LIVESTOCK BREEDERS ASSOCIATION — B. H. Wilson, Coatesville.

PENNSYLVANIA SHEEP BREEDERS' AND WOOL GROWERS' ASSOCIATION—W. B. Connell, State College.

PENNSYLVANIA HEREFORD CATTLE BREEDERS' ASSOCIATION — F. L. Bentley, State College.

PENNSYLVANIA BROWN SWISS CATTLE BREEDERS' ASSOCIATION—Miss Irma C. Wohlwend, Salina.

PENNSYLVANIA DAIRYMEN'S ASSOCIATION—G. A. Burdick, Wrightsville, Pa.

PENNSYLVANIA AYRSHIRE BREEDERS' ASSOCIATION—E. R. Fritsche, 2410 Pine Street, Philadelphia.

PENNSYLVANIA GUERNSEY BREEDERS' ASSOCIATION—H. M. Pate, Chadd's Ford Jct., Pa.

FEDERATION OF HOLSTEIN-FRIESIAN CLUBS OF PENNSYLVANIA—Jesse Kurtz, Carlisle, Pa.

HOLSTEIN-FRIESIAN REGISTRY ASSOCIATION, INC.—Howard C. Reynolds, Harrisburg.

PENNSYLVANIA JERSEY CATTLE CLUB—H. O. BOCK, McDonald.

PENNSYLVANIA ASSOCIATION OF COW TESTERS—C. R. Gearhart, State College.

PENNSYLVANIA BERKSHIRE BREEDERS' ASSOCIATION—Alex Cooper, Reynoldsburg.

PENNSYLVANIA CHESTER WHITE BREEDERS' ASSOCIATION—C. E. Cassel, Hershey.

PENNSYLVANIA DUROC JERSEY BREEDERS' ASSOCIATION—G. A. Burdick, Wrightsville, Pa.

PENNSYLVANIA HAMPSHIRE BREEDERS' ASSOCIATION — H. H. Snavely, Willow Street, R. F. D. No. 1

PENNSYLVANIA POLAND CHINA BREEDERS' ASSOCIATION—B. H. Wilson, Coatesville.

PENNSYLVANIA STATE HORTICULTURAL ASSOCIATION—R. H. Sudds, State College.

PENNSYLVANIA VEGETABLE GROWERS' ASSOCIATION—W. B. Mack, State College.

*A list giving all officers of these organizations is on file in Pennsylvania Department of Agriculture, Harrisburg.

PENNSYLVANIA POTATO GROWERS' ASSOCIATION—Miles Horst, Harrisburg.
 MUSHROOM GROWERS' COOPERATIVE ASSOCIATION OF PENNSYLVANIA—
 Walter W. Maule, Kennett Square.

PENNSYLVANIA NURSERYMEN'S ASSOCIATION—Albert F. Meehan, Dresher.
 PENNSYLVANIA STATE TOBACCO GROWERS' ASSOCIATION—H. K. Martin,
 Goodville.

PENNSYLVANIA STATE POULTRY ASSOCIATION — H. C. Knandel, State
 College.

PENNSYLVANIA STATE BEEKEEPERS' ASSOCIATION—A. T. Keil, Mars.

PENNSYLVANIA INTER-STATE MILK PRODUCERS' ASSOCIATION—I. Ralph
 Zollers, 401 N. Broad St., Philadelphia.

PHILADELPHIA INTER-STATE DAIRY COUNCIL—C. I. Cohee, S. W. Cor. 20th
 and Race Sts., Philadelphia.

DAIRY MEN'S COOPERATIVE SALES ASSOCIATION—H. B. STEEL, 451 Century
 Building, Pittsburgh.

PITTSBURGH DISTRICT DAIRY COUNCIL—George A. Taylor, 451 Century
 Building, Pittsburgh.

COOPERATIVE GRANGE LEAGUE FEDERATION EXCHANGE, INC.—E. Victor
 Underwood, Ithaca, N. Y.

DAIRY MEN'S LEAGUE COOPERATIVE ASSOCIATION, INC.—L. A. Chapin, 11
 W. 42nd St., New York City.

PENNSYLVANIA ASSOCIATION OF COOPERATIVE ORGANIZATIONS—Walter
 C. Nickles, Shippensburg, Pa.

Other State-wide Organizations

PENNSYLVANIA MILLERS' STATE ASSOCIATION—G. A. Stuart, 1710 N. 2nd
 Street, Harrisburg.

PENNSYLVANIA BAKERS' ASSOCIATION—Harold F. Fielder, 20th St. and
 Indiana Ave., Philadelphia.

ENTOMOLOGICAL SOCIETY OF PENNSYLVANIA—R. H. Bell, Department of
 Agriculture, Harrisburg, Pa.

PENNSYLVANIA STATE VETERINARY-MEDICAL ASSOCIATION—Dr. Ernest
 W. Hogg, 20 Darling Street, Wilkes-Barre, Pa.

PENNSYLVANIA ASSOCIATION OF DAIRY AND MILK INSPECTORS—George
 A. Morris, Camp Hill, Pa.

PENNSYLVANIA THRESHERMEN AND FARMERS' PROTECTIVE ASSOCIA-
 TION—J. A. Rose, Paxtang, Pa.

PENNSYLVANIA STATE ASSOCIATION OF MARKETS—Charles E. Walmer,
 Harrisburg.

PENNSYLVANIA STATE ASSOCIATION OF TOWNSHIP SUPERVISORS—H. A.
 Thomson, Drexel Hill.

PENNSYLVANIA ACADEMY OF SCIENCE—V. Earl Light, Lebanon Valley Col-
 lege, Annville, Pa.

PENNSYLVANIA STATE BANKERS' ASSOCIATION—Charles F. Zimmerman,
 First National Bank, Huntingdon.

PENNSYLVANIA STATE ASSOCIATION OF COUNTY COMMISSIONERS—R. W.
 Sawyer, 307 Walnut St., Lemoyne, Pa.

PENNSYLVANIA ASSOCIATION OF COUNTY FAIRS—Charles W. Swoyer, 522
 Court Street, Reading.

PENNSYLVANIA FARMERS' PROTECTIVE ASSOCIATION—Walter Morrison,
 Carlisle, R. D. No. 1.

PENNSYLVANIA NUT GROWERS' ASSOCIATION—John W. Hershey, Down-
 ingtown.

PENNSYLVANIA HORSE AND MULE ASSOCIATION—Dr. F. A. Marshall, In-
 diana, Pa.

COUNTY AGRICULTURAL ORGANIZATIONS

Organization	Name and Address of Secretary
---------------------	--------------------------------------

ADAMS COUNTY

Adams County National Farm Loan Association	Eugene V. Bulleit, Esq. Gettysburg
Agricultural Extension Association.....	John C. Bream, Gettybsurg, R.D. 2
Farm Bureau.....	A. B. C. Williams, York Springs
Farm Bureau Cooperative Association.....	A. B. C. Williams, York Springs
Cooperative Fruit Growers of Adams County	John Wilson, Aspers
Adams County Cooperative Egg Assn.....	A. B. C. Williams, York Springs
South Mountain Fair Association	A. D. Sheely, Arendtsville

Organization	Name and Address of Secretary
ALLEGHENY COUNTY	
Pomona Grange	Mrs. Martin Clever, McKees Rocks, R.D. 1
Agricultural Extension Association.....	Robert A. Powers, Sharpsburg, R.D. 2
Farm Loan Association	Henry S. Beplar, Investment Bldg., Pittsburgh
Holstein-Friesian Ass'n.....	Albert B. Craig, 808 Columbia Bank Bldg., Pittsburgh
Beekeepers' Association	L. E. Havekotte, 433 Marshall Ave., Pittsburgh
Agricultural Cooperative Association	G. E. Wilson, Wilkinsburg, R.D. 1
Horticultural Association	Ed Shenot, Wexford
Pittsburgh Florists' & Gardeners' Association	W. T. Usinger, Pittsburgh
Fruit and Vegetable Growers' Association	Kenneth Philp, R.D. 9, S.H.B., Pittsburgh
ARMSTRONG COUNTY	
Pomona Grange	Mrs. Bertha Neal, Dayton R.D. 2
Agricultural Extension Association.....	Mrs. Glenn Hill, Freeport
Farm Loan Association.....	Miss Alena Barger, Kittanning
Cooperative Association	H. O. Kimmel, Shelocta
Sheep and Wool Growers' Cooperative Association	James Rayburn, Worthington R.D. 2
Potato Growers' Association	M. A. Campbell, Kittanning
BEAVER COUNTY	
Pomona Grange	Miss Vesta Householder, Beaver Falls R.D. 3
Agricultural Extension Association.....	Edmund E. Duncan, Beaver R.D. 2
Farm Loan Association	H. H. Wilson, Beaver
Cooperative Association	E. E. Duncan, Beaver R.D. 2
BEDFORD COUNTY	
Pomona Grange	W. F. Biddle, Lutzville R.D. 1
Agricultural Extension Association.....	C. E. Wagoner, Bedford R.D. 2
Farm Loan Association	B. F. Madore, Bedford
Holstein-Friesian Association	Carl Garland, Buffalo Mills
Jersey Cattle Club.....	C. E. Koontz, Lutzville R.D. 1
Horticultural Society	Reynolds Hyde, Manns Choice R.D. 1
BERKS COUNTY	
Pomona Grange	Chas. Zimmerman, Topton
Agricultural Extension Association.....	E. R. Hintz, Reading
Beekeepers' Association	Ray Bagentose, Mohrsville
Fruit Growers' Association	Samuel Rittenhouse, Lorane
Guernsey Breeders' Association.....	Caroline Archer, Reading
Ayrshire Breeders' Association	Paul Wessner, Fleetwood
Wool Growers' Association	Luther Schucker, Fleetwood
County Poultry Association	Reuben Ziegler, Rehrersburg
BLAIR COUNTY	
Pomona Grange	H. S. Fleck, Tyrone
Agricultural Extension Association.....	T. S. Davis, Hollidaysburg
Farm Loan Association	John Woodsock, Hollidaysburg
Guernsey Breeders' Association.....	W. C. Morrow, Tyrone, R.D.
Sheep and Wool Growers' Association...	Ross Burket, Tyrone, R.D.
Fruit Growers' Association.....	John Bice, Hollidaysburg, R.D.
Beekeepers' Association	Joseph McGarvey, 1324 16th Ave., Altoona
BRADFORD COUNTY	
Pomona Grange	Mrs. Lizzie M. Rightmire, Wellsburg, N. Y.
Agricultural Extension Association.....	Mrs. Charles Chaffee, Ulster
Farm Loan Association.....	Jos. W. Beaman, Towanda
Cooperative Holstein-Friesian Association.....	R. E. Arnold, Milan
Guernsey Breeders' Association.....	H. L. Jones, Milan
Jersey Breeders' Association	Damon Young, Milan
Coop. Livestock Sales Pavilion Assn.....	M. A. Taylor, Canton
Cooperative Potato Growers' Association.....	R. L. Blocher, Wyalusing
Egg Producers	Chas. Zimmerman, Athens
Cooperative Sheep and Wool Growers' Association	C. Van Baker, LeRaysville

Organization	Name and Address of Secretary
BUCKS COUNTY	
Lower Bucks County Pomona Grange.....	Miss Margaret Slack, Forest Grove
Upper Bucks County Pomona Grange.....	Henry S. Johnson, Quakertown
Agricultural Extension Assn.....	Mrs. Norman Lapp, New Britain
Guernsey Association	Clarence Smith, Wycombe
Holstein Association	Willis Hunsberger, Plumsteadville
Modified Herd Improvement Association....	Charles Stover, Ivyland
Asparagus Growers' Association	E. H. Lovell, Yardley (Pres.)
Potato Growers' Association	A. H. Vasey, Lumberville
Producers' Cooperative Association	P. A. Waring, Solebury
Fruit Growers' Association	C. Kindred 2nd, Ivyland
Delaware Valley Milk Goat Association....	Miss E. T. Fell, Holicong
Ayrshire Breeders' Association	Clarence Leight, Quakertown
Herd Improvement Association	John Stover, Ivyland
Wool Pool	John C. Thompson, Farm School

BUTLER COUNTY

Pomona Grange	George Schweinsburg, R.D. No. 1, Butler
Agricultural Extension Association	Miss Daisy I. Bell, R.D. No. 3, Chicora
Farm Loan Association	E. W. Humphrey, Butler
Tri-County Jersey Breeders' Association...	Frank Cooper, Slippery Rock
Potato Growers' Association	Frank A. McClung, Butler
Cooperative Egg Auction	Don Yingling, Renfrew
Production Credit Corporation	J. L. Hindman, 159 N. Main St., Butler

CAMBRIA COUNTY

Pomona Grange	G. H. Dumm, Ebensburg, R.D.
Agricultural Extension Association	Mrs. Freda O'Hara, Cresson
Farm Loan Association	Albert O'Conner, Ebensburg
Cooperative Potato Growers' Association...	A. A. Feighner, Carrolltown, R.D.
Society of Farm Women	Mrs. C. F. Gongaware, Dunlo
Milk Producers' Association	W. H. Fyock, Johnstown, R.D. 2
Guernsey Breeders' Association	W. J. Hoover, Patton R.D.
Cambria County Fair Association.....	Rowland G. Davis, Ebensburg
Beckkeepers' Association	Archie King, Cresson, R.D.

CAMERON COUNTY

Agricultural Extension Association.....	C. E. Plasterer, Emporium
First Cameron County Guernsey Bull Association	Oscar Nordberg, Driftwood

CARBON COUNTY

Pomona Grange	C. A. Kern, Palmerton
Agricultural Extension Association	John Hamm, Weatherly
Farm Loan Association	Wm. Farenkoff, Palmerton R. No. 1
Dairy Association	Irwin Steigerwalt, Lehighton R.D.5
Cooperative Potato Growers' Association...	A. H. Haas, Lehighton R.D. 1

CENTRE COUNTY

Pomona Grange	V. A. Auman, Centre Hall
Agricultural Extension Association	J. Foster Musser, State College
Farm Loan Association	Miss Hannah Schroyer, Bellefonte
Sheep and Wool Growers' Association.....	W. C. Smeltzer, Bellefonte
Potato Growers' Association	Lee Smeltzer, Bellefonte, R.D.

CHESTER COUNTY

Chester-Delaware Pomona Grange	Mrs. Harry Pratt, West Chester
Agricultural Extension Association.....	Frank A. Keen, West Chester
Farm Loan Association	S. E. Howell, West Chester
Holstein-Friesian Association	H. E. Jones, Jr., West Chester
Jersey Breeders' Association	George H. Mitchell, West Grove
Guernsey Breeders' Association	Harry M. Pate, Chadds Ford Junction
Chester-Delaware Counties Fruit Growers' Association	J. R. Edgerton, Westtown
Chester-Delaware Farm Products Show Association	H. C. Barker, Malvern
Coatesville Egg Producers' Exchange	S. E. Buffenmyer, Coatesville

Organization**Name and Address of Secretary****CLARION COUNTY**

Pomona Grange	Mrs. Anna Fowler, Rimerburg
Agricultural Extension Association	R. G. Burnham, Corsica
Farm Loan Association	F. M. Mohney, Clarion
Guernsey Breeders' Association.....	J. P. Gruber, Shippenville, R.D.
Beekeepers' Association	Robert Graham, Lickingville
Potato Growers' Association	J. M. Hindman, Corsica, R.D.
Sheep and Wool Growers' Association.....	C. W. McClune, New Bethlehem
Clarion County Cow Testing Association....	J. P. Gruber, Shippenville, R.D.
Clarion County Guernsey Bull Association	F. L. Stahlman, New Bethlehem, R.D.
Clarion County Holstein Bull Association..	C. A. McCauley, New Bethlehem, R.D.

CLEARFIELD COUNTY

Pomona Grange	Miss Salome Davis, Clearfield
Agricultural Extension Association	D. T. Mitchell, Jr., Mahaffey, R.D.
Farm Loan Association	J. A. Frank, Cuvwensville
Beekeepers' Association	B. M. Lansberry, Clearfield
Clearfield County Agricultural Society.....	George Ralston, Clearfield

CLINTON COUNTY

Pomona Grange	J. A. Sager, Mackeyville
Agricultural Extension Association	R. R. Williams, Beech Creek, R.D.
Farm Loan Association	W. E. Shaffer, Lock Haven
Cooperative Association.....	J. A. Sager, Mackeyville
Tobacco Growers' Association	Charles Dunn, Lock Haven
Potato Growers' Association	Glen McCloskey, Bush Creek
Corn-Hog Association	Gerald Gummo, Mill Hall, R.D.

COLUMBIA COUNTY

Pomona Grange	B. W. Derr, Bloomsburg R. No. 1
Agricultural Extension Association	Thomas Gordner, Millville
Farm Loan Association	C. W. Dixon, Berwick
Potato Growers' Association	J. G. Quick, Bloomsburg
Guernsey Breeders' Association	Roland H. Seely, Nescopeck

CRAWFORD COUNTY

Agricultural Extension Association	Mrs. C. R. St. John, Centerville, R.D.
Farm Loan Association	Leland J. Culbertson, Meadville
Guernsey Breeders' Association	M. P. Breckinridge, Meadville, R.D.
Jersey Cattle Club	Earl Keller, Meadville, R.D. 4
Penn-Ohi Shorthorn Breeders' Association	Mrs. Samuel Porter, Jamestown
Potato Growers' Association	J. C. McClurg, Geneva
Production Credit Association.....	H. J. Lynch, Meadville

CUMBERLAND COUNTY .

Pomona Grange	Mrs. Russell F. Bower, Shippensburg, R.D. No. 1
Agricultural Extension Association.....	Jesse E. Kurtz, Carlisle, R.D. No. 4
Farm Loan Association	Theodore Weast, Newville
Holstein-Friesian Association	A. A. Raudabaugh, Carlisle
Guernsey Breeders' Association.....	John A. Smith, Dickinson
Beekeepers' Association	Enos H. Hess, Mechanicsburg, R.D. No. 2
Potato Growers' Association	G. R. Shaull, Mechanicsburg, R.D. No. 5
Dairy Show Association	H. K. McCullough, Newville, R.D. 1
Cooperative Wool Growers.....	W. A. Woods, Carlisle, R.D. No. 4

DAUPHIN COUNTY

Pomona Grange	I. F. Bogner, Dauphin
Agricultural Extension Association	Max Lauffer, Middletown
Farm Loan Association	W. R. Zimmerman, Harrisburg

DELAWARE COUNTY

Pomona Grange	Mrs. Marion Miller, Phoenixville
Agricultural Extension Association	Mrs. D. C. Armstrong, Morton
Chester-Delaware County Fruit Growers' Association	J. R. Edgerton, Westtown
Farm Products Cooperative Association....	Anna W. Willits, Ward

Organization**Name and Address of Secretary****ELK COUNTY**

Pomona Grange	Mrs. Gretrude Schreiber, Kersey, R.D.
Agricultural Extension Association	Harry Larson, Ridgway
Farm Loan Association	Edwin Rickard, Ridgway
Potato Growers Association.....	E. E. Schmeidel, Ridgway
First Elk County Holstein Bull Association	H. J. Gregory, St. Marys, R.D.
First Elk County Guernsey Bull Assn.....	Joseph Grunthaner, St. Marys

ERIE COUNTY

Pomona Grange	Mildred Belknap, Waterford
Agricultural Extension Association	H. E. Burrows, Wattsburg
Erie Cooperative Milk Producers	E. W. Rose, Waterford
Keystone Cooperative Grape Association....	Geo. H. Bostwick, North East
Horticultural Society	Howard Loop, North East
Union City Cooperative Association.....	Roy A. Robbins, Union City
Edinboro Cooperative Association	Donald A. Fox, Edinboro, R.D.

FAYETTE COUNTY

Pomona Grange	Mrs. Viva E. Luce, Perryopolis
Agricultural Extension Association	Mrs. Clarence Welkey, Connellsville
Farm Loan Association	J. L. Snyder, Connellsville, R.D. 2
Wool Growers' Association	Fred Diedericks, Fayette City
Beekeepers' Association	M. B. Provins, Uniontown
Poultry and Farm Products Show.....	Jos. Yarris, Uniontown

FOREST COUNTY

Agricultural Extension Association.....	Mrs. F. W. Dreyer, Tionesta
Potato Growers' Association	Russell Wagner, Tionesta, R.D. 1

FRANKLIN COUNTY

Agricultural Extension Association	R. H. Horst, Chambersburg
Cumberland-Franklin County Farm Loan Association	Emmett Woods, Carlisle
Cumberland Valley Holstein-Friesian Association	Howard Gingrich, Greencastle
Guernsey Breeders' Association	Frank Miller, Waynesboro
Horticultural Society	J. H. Knode, Chambersburg
Cooperative Association	C. E. Haulman, Marion
Sheep and Wool Growers' Association.....	H. Stark Piper, Dry Run

FULTON COUNTY

Pomona Grange	Mrs. Lillian Lynch, Crystal Springs
---------------------	-------------------------------------

GREENE COUNTY

Pomona Grange	A. T. Adamson, Waynesburg, R.D. 4
Agricultural Extension Association.....	Allen A. Iams, Sycamore R.D. 2
Farm Loan Association	Ambrose Bradley, Waynesburg
Wool Growers' Association	Harold K. Bell, Clarksville R.D. 2
Greene County Farm Show Association.....	Raymond Allison, Waynesburg
Waynesburg Fair & Agricultural Assn.....	Ambrose Bradley, Waynesburg
Greene County Agricultural & Manufac- turers Society	Harvey Biddle, Carmichaels
Richhill Agricultural Society.....	Ellsworth Marsh, Graysville, R.D. 1

HUNTINGDON COUNTY

Pomona Grange	A. Ross Criswell, James Creek
Agricultural Extension Association	Roy Peterson, Spruce Creek
Farm Loan Association	Jewett Henry, Huntingdon
Cooperative Association	C. Oscar Hawn, Petersburg
Milk Producers' Association	Chas. Crum, Aitch
Agricultural Fair Association	James C. Morgan, Huntingdon

INDIANA COUNTY

Pomona Grange	J. W. Warner, Indiana
Agricultural Extension Association	Clayton Miller, Creekside R.D.
National Farm Loan Association	D. R. Tomb, Indiana
Agricultural Society	Don Martin, Indiana
Holstein Association	Blaine Short, Indiana
Jersey Cattle Club	Wm. S. Wetzel, Marion Center
Guernsey Cattle Club	E. N. Lydick, Indiana R.D. 3
Fruit Growers' Association	H. W. Stonebraker, Indiana R.D. 7
Potato and Seed Improvement Association	C. C. Pollock, Marion Center
Sheep and Wool Growers' Association.....	Clayton Miller, Creekside, R.D.
Horse Association	R. H. Thompson, Home
Poultry Association	J. W. Warner, Indiana
Protective Association of Indiana County..	J. W. Warner, Indiana
Indiana County Cow Testing Association....	John S. Rankin, Indiana R.D. 7

Organization**Name and Address of Secretary****JEFFERSON COUNTY**

Pomona Grange	Mrs. J. B. Ross, Baxter
Agricultural Extension Association.....	Mrs. Earl Holben, Ringgold
Farm Loan Association	Kathryn Hoffman, Brookville
Holstein Breeders' Association.....	H. O. Miliron, Brookville, R.D. 6
Guernsey Breeders' Association.....	J. O. Harding, Brookville R.D. 5
Berkshire Association	Alex Cooper, Reynoldsville
Potato Growers' Association	J. A. Hicks, Reynoldsville R.D. 1
Wool Growers' Association	M. W. Wise, Big Run
Beekeepers' Association	J. P. Winslow, Brookville

JUNIATA COUNTY

Pomona Grange	W. I. Bashore, Mifflintown
Agricultural Extension Association	Karl A. Fettig, Port Royal
Juniata-Perry Farm Loan Association.....	Edgar A. Ulsh, Port Royal
Juniata Valley Dairymen's Coop. Assn.....	Karl A. Fettig, Port Royal
Potato Growers' Association	T. R. Auken, Mifflintown
Dairy Herd Improvement Association.....	Warren Zook, Mifflintown
East Juniata Holstein Bull Association.....	Karl A. Fettig, Port Royal
West Juniata Holstein Bull Association.....	C. D. Stouffer, Port Royal

LACKAWANNA COUNTY

Pomona Grange	Ed. Kircher, Clarks Summit R.D.
Agricultural Extension Association	Mrs. William Cracknell, Clarks Summit, R.D. 1
Beekeepers' Association	H. M. Dorscheimer, Clarks Summit
Horticultural Association	S. J. Coon, Ransom
Potato Growers' Association.....	L. J. Evans, Clarks Summit

LANCASTER COUNTY

Pomona Grange	Mrs. Mary Yelk, Star Route, Honey Brook
Agricultural Extension Association.....	Mrs. Wm. P. Bucher, Quarryville
Farm Loan Association	N. E. Garber, Mt. Joy No. 3
Farm Bureau	T. Warren Metzger, 644 Woolworth Bldg., Lancaster
Garden Spot Guernsey Breeders' Assn.....	Hayes Hastings, Kirkwood No. 1
Holstein Breeders' Association.....	Elvin Hess, Strasburg
Jersey Breeders' Association	Miss Mary Gatchell, Peach Bottom
Ayrshire Breeders' Association	E. K. Buckwalter, Lancaster R.D. 4
Beekeepers' Association	D. L. Burkholder, Leacock
Fruit Growers' Association	Simon R. Snyder, Ephrata R.D. 1
Florists Association	Albert M. Herr, Rider Avenue, Lancaster
Tobacco Growers' Association	H. K. Martin, Goodville
Society of Farm Women.....	Mrs. Esther M. Stuber, Ephrata, R.D.
Carnation Growers' Association	Howard E. Clark, Lancaster R.D. 5
Commodity Division, Lancaster County Farm Bureau	Phares Habecker, Quarryville, R.D. No. 2
Local Farmers' Union	S. R. Nissley, E. Petersburg
Poultry Association	Floyd Moore, Lancaster R.D. No. 3

LAWRENCE COUNTY

Pomona Grange	Mrs. N. E. Sampson, Volant R.D. 3
Agricultural Extension Association	H. B. Hoye, New Castle R.D. 2
Farm Loan Association.....	W. W. Stevenson, Dean Block, New Castle
Fruit Growers' Association	H. W. Newman, New Castle, R.D. 4
Cooperative Wool Growers, Inc.	W. F. McCracken, New Castle, R.D. 4
Cooperative Potato Growers, Inc.	Charles B. Patton, New Castle R.D. 4
Cooperative Association	S. B. McElwin, Portersville R.D. 3

LEBANON COUNTY

Pomona Grange	H. K. Beard, Shaefferstown
Agricultural Extension Association	Robert B. Royer, Lebanon R.D. 1
Farm Loan Association	William W. Walter, Lebanon
Lebanon Valley Cooperative Fruit Growers Cooperative Association	Morris Meyer, Jr., Lebanon R.D. 3
	Harrison W. Shuey, Lebanon R.D. 4

LEHIGH COUNTY

Pomona Grange	Wm. F. Masters, Breinigsville R.D. 2
Agricultural Extension Association	Wm. S. Weaver, Macungie
Fruit Growers' Association	A. L. Hacker, 445 Hamilton St., Allentown
Lehigh Valley Beekeepers' Association	L. H. Dennis, 1015 Maple Street, Allentown
Lehigh Valley Egg Producers' Coop. Assn.	Clarence Hind, Orefield
Lehigh Valley Milk Producers' Assn.	Fred Lynn, Allentown R.D. 4

Organization**Name and Address of Secretary****LUZERNE COUNTY**

Columbia-Lower Luzerne Pomona Grange.....
Pomona Grange
Upper Luzerne-Southern Wyoming
Agricultural Extension Association
Farm Loan Association
Cooperative Association
Horticultural Association
Progressive Agricultural Cooperative Assn.
Conyngham Valley Farmers' Union.....

B. W. Derr, Jersey Town

John A. Hildebrandt, Dallas R.D.
Fred Bittenbender, Shickshinny R.D.
E. D. Sutliff, Shickshinny, R.D.
Geo. B. Landis, Sugarloaf R.D.
Harold Lewis, Dallas R.D.
W. T. Spaulding, Sugarloaf R.D.
Leon Smith, Conyngham Boro

LYCOMING COUNTY

Pomona Grange
Agricultural Extension Association.....
Farm Loan Association
Holstein-Friesian Breeders' Association.....
Guernsey Breeders' Association.....
Potato Growers' Association.....
Central Pennsylvania Beekeepers' Assn.....

Mrs. R. E. Poust, Hughesville R.D.
J. D. Lunger, Lairdsville
W. F. MacVeagh, Muncy, R.D.
J. S. Nicholson, Muncy R.D.
J. D. Lunger, Lairdsville
Lewis Buss, Allenwood R.D.
Ambrose Cotner, McEwensville

McKEAN COUNTY

Pomona Grange
Agricultural Extension Association.....
McKean-Cameron Co. Farm Loan Assn.....
Sheep and Wool Growers' Association.....

Mrs. Raymond Peterson, Kane
C. W. Lillibridge, Smethport
Robt. Apple, Smethport
E. W. Jones, Smethport

MERCER COUNTY

Pomona Grange
Agricultural Extension Association.....
Farm Loan Association
Central Western Pa. Shorthorn Breeders' Association
Cooperative Potato Growers' Association...
Cooperative Wool Growers, Inc.
Fruit Growers' Association

J. P. Johnston, Mercer, Pa.
J. N. Robinson, E. Butler St., Mercer
Jos. J. Weber, Mercer R.D. 1
W. T. McCoy, Mercer
J. N. Robinson, E. Butler St., Mercer
Q. R. Tait, Mercer R.D. 4
G. Meade Gibson, Mercer R.D. 1

MIFFLIN COUNTY

Agricultural Extension Association
Farm Loan Association
Farmers' Cooperative Association.....
Milk Producers' Association
Horticultural & Agricultural Association....
Farmers' Milk Retail Association.....

H. H. Bradford, Lewistown
Albert Lynch, Lewistown
E. H. Berryman, Lewistown
Levi K. Yoder, Reedsville
H. H. Laub, Jr., Lewistown
Daniel Brought, Lewistown

MONROE COUNTY

Pomona Grange
Agricultural Extension Association
Farm Loan Association
Beekeepers' Association
West End Fair Association.....

Lloyd Frailey, Bartonsville
Van D. Yetter, E. Stroudsburg R.D. 2
L. A. Achterman, Stroudsburg
Porterfield Serfass, Gilbert
James Shiffer, Brodheads

MONTGOMERY COUNTY

Pomona Grange
Farm Loan Association
Jersey Cattle Club
Holstein Cattle Club
Poultry Association
Beekeepers' Association
Guernsey Club
Tri-County Producers' Cooperative Assn....
Agricultural Extension Association.....
Norristown Production Credit Association..

Ida C. Myers, Norristown, R.D. 3
Ralph Wismer, Norristown
C. J. Broughten, Ambler
Harold Allebach, Trappe
Walter Anders, Norristown R.D. 2
Chas. F. Hoser, Norristown R.D. 4
A. L. Powell, Conshohocken
M. M. West, Lansdale
Arthur S. Anders, Norristown R.D. 2
E. P. Rosenberger

NORTHAMPTON COUNTY

Pomona Grange
Farm Bureau
Cooperative Potato Growers.....
Cooperative Farmers' Association, Inc.....
Lehigh Valley Egg Production Cooperative Association

W. F. Masters, Breinigsville R.D. 2
C. A. Eyer, Easton, R.D. 1
W. H. Schlegel, Bath R.D. 1
C. A. Eyer, Easton R.D. 1
C. A. Hind, c/o Trexler Farms, Allentown

Organization**Name and Address of Secretary****NORTHUMBERLAND COUNTY**

Agricultural Extension Association.....	Claude Knoebel, Sunbury R.D. 1
Potato Growers' Cooperative Assn., Inc.....	W. H. Mertz, Northumberland R.D. 1
Sheep and Wool Growers' Association.....	M. N. Witmer, Dalmatia R.D. 1

PERRY COUNTY

Pomona Grange	J. A. Messersmith, Newport
Agricultural Extension Association.....	H. E. Kinzer, Newport
Sheep and Wool Growers' Association.....	C. A. Dum, Elliottsburg
Agricultural Society	A. K. Ludwig, Newport
Potato Growers' Association.....	John E. Snyder, Newport
D. H. T. A.....	L. F. Rothrock, New Bloomfield

PHILADELPHIA COUNTY

Philadelphia-Lower Bucks Pomona Grange	Miss. Margaret R. Slack, Forest Grove
Philadelphia Grange	Mrs. F. M. Trussell, Bustleton
Society for Promoting Agriculture.....	Geo. F. Curwen, Villanova
Vegetable Growers' Cooperative Assn.....	Thomas F. Biddle, Bustleton
Pennsylvania Horticultural Society.....	John C. Wister, 1600 Arch St., Philadelphia
Beekeepers' Association	John G. Buseman, 2828 Germantown Avenue

PIKE COUNTY

Monroe-Pike Pomona Grange	Lloyd Frailey, Bartonsville R.D. 1
Agricultural Extension Association	Ross Kleinstuber, Milford

POTTER COUNTY

Pomona Grange	Wm. Karschner, Galeton
Disease-free Seed Potato Growers' Assn.....	Ed. Fisher, Coudersport
Farm Loan Association	E. A. Lignian, Coudersport
Ayrshire Breeders' Club	Henry C. James, Genesee
Holstein Breeders' Club	R. H. Leete, Coudersport
Farmers' Alliance and Industrial Union.....	Miss Verna Weipper, Roulette
Beekeepers' Association	H. E. Jones, Shinglehouse

SCHUYLKILL COUNTY

Pomona Grange	Mrs. Maud Richards, Pottsville
Agricultural Extension Association.....	H. D. Hartman, New Ringgold
Farm Loan Association	G. M. Paxon, Pottsville
Cooperative Growers' Association.....	H. D. Hartman, New Ringgold
Beekeepers' Association	Warren Malich, Schulykill Haven, Star Route
Raw Milk Dealers' Association.....	A. T. Riegel, Schuylkill Haven R.D.
Farmers' Organization of Schuylkill Co....	Harry Loy, Pine Grove R.D.

SNYDER COUNTY

Snyder-Southern Northumberland Pomona Grange	Mrs. A. S. Bilger, Selinsgrove
Agricultural Extension Association.....	William C. Stetler, Selinsgrove
Fruit Growers' Association.....	John T. Mitterling, Mt. Pleasant Mills

SOMERSET COUNTY

Pomona Grange	M. A. Baker, Somerset R.D. 2
Agricultural Extension Association	C. R. Bauerwaster, Berlin No. 2
Farm Loan Association	W. C. Truxal, Somerset
Shorthorn Association	D. G. Stufft, Stoyestown
Sheep and Wool Growers' Association	Howard Peck, Fort Hill
Beekeepers' Association	E. W. Cleeves, Somerset
Society of Farm Women	Mrs. Ed. N. Walker, Meyersdale
Maple Syrup Producers' Association.....	C. R. Bauernmaster, Berlin
Potato Growers' Association	L. R. Friedline, Boswell
Somerset Producers' Association	E. G. Darr, Somerset

SULLIVAN COUNTY

Pomona Grange	Glenn Taylor, Dushore R.D. 1
Agricultural Extension Association.....	Mrs. R. L. Hart, Forksville
Farm Loan Association	J. H. Thayer, Dushore
Agricultural Cooperative Association.....	Bernard Broschart, Dushore

Organization**Name and Address of Secretary****SUSQUEHANNA COUNTY**

Pomona Grange	Mrs. W. H. Parks, Susquehanna
Agricultural Extension Association	J. W. Ball, Montrose
Farm Loan Association	Edward P. Little, Montrose
Holstein Association	Floyd Hibbard, Springville
Guernsey Breeders' Association	Ross Carter, Rush
Jersey Breeders' Association	S. C. Birchard, Birchardsville
Ayrshire Breeders' Association	Shirley Stephens, Montrose
Cooperative Wool Growers' Association.....	G. B. Robinson, Montrose

TIOGA COUNTY

Pomona Grange	Mrs. E'sye E. Johnson, Covington
Agricultural Extension Association	D. E. Phelps, Mansfield
Farm Loan Association	E. H. Green, Wellsboro
Guernsey Breeders' Association	George Butler, Wellsboro
Holstein Breeders' Association.....	Paul P. Korb, Wellsboro
Jersey Breeders' Association.....	M. S. Broderick, Mansfield
North Tier Turkey Growers' Association....	Dr. H. H. Kingsley, Columbia X Rds.
Wool Growers' Association	W. E. Clark, Mansfield
Tioga County Sub-District Dairymen's League	Mrs. Harry Rose, Mansfield

UNION COUNTY

Union-Montour-Northumberland Pomona Grange	Mrs. Julia Warner, Danville
Agricultural Extension Association.....	D. H. Watson, Mifflinburg R.D. 2
Union-Snyder-Northumberland County Farm Loan Association	Frank Ruhl, Lewisburg R.D. 3
Cooperative Potato Association	C. L. Miller, Lewisburg R.D. 2
Agricultural Improvement Association.....	J. S. Wehr, Mifflinburg R.D. 3

VENANGO COUNTY

Pomona Grange	Mrs. John Kean, Franklin R.D. 2
Agricultural Extension Association.....	C. D. Sutton, Franklin
Farm Loan Association	Leo S. Bumpus, Cooperstown
Cooperative Association	C. A. McKinney, Franklin R.D. 4
Farmers' and Fruit Growers' Association....	C. D. Sutton, Franklin
Wool Growers' Association, Inc.....	C. F. Hunsberger, Harrisville R.D. 4
Northwestern Pa. Wool Growers' Assn., Inc.	H. T. Miles, Titusville R.D. 5

WARREN COUNTY

Pomona Grange	Mrs. Martha Houghenot, Russell
Agricultural Extension Association	Mrs. W. G. Lyon, Russell R.D. No. 2

WASHINGTON COUNTY

Pomona Grange	Mrs. Samuel Flack, Washington R.D. 7
Agricultural Extension Association	James A. Scott, Burgettstown R.D. No. 3
Farm Loan Association	Denny Brown, Burgettstown
Holstein Club	George Chelquist, 828 N. Lincoln Ave., N. S. Pittsburgh
Jersey Breeders' Association.....	O. L. Post, Dunns Station
Farmers Allied Protective Association.....	W. P. Rodgers, Monongahela
Sheep and Wool Growers' Association.....	John L. Miller, Claysville
Milk Producers' Association	Homer Lowry, Rea R.D. 2

WAYNE COUNTY

Pomona Grange	Mrs. H. M. Blake, Honesdale
Agricultural Extension Association	Henry Hocker, Milanville
Wayne-Pike County Farm Loan Assn.....	A. G. Rutherford, Honesdale (Pres.)
Jersey Cattle Club	Henry Robinson, Seelyville
Fruit Growers' Association	Miles Young, Narrowsburg, N. Y.
Poultry Association	G. H. Hocker, Milanville
Holstein Cattle Club	W. J. Robbins, Bleachlake
Potato Growers' Association.....	Philip Freise, Aldenville
Wool Growers' Association	H. G. Burleigh, Pleasant Mount

Organization	Name and Address of Secretary
WESTMORELAND COUNTY	
Pomona Grange	Miss Rebecca Pinkerton, West Newton
Agricultural Extension Association.....	I. C. Wohlwend, Salina
Farm Loan Association	John C. Silsley, Greensburg
Cooperative Association	H. C. Waugaman, Greensburg R.D. 4
Holstein-Friesian Club	B. W. Silvis, Export R.D. 1
Milk Producers' Distributors' Association..	M. C. Stickel, Manor
Farmers' Picnic Association.....	Joseph Kim, Larimer

WYOMING COUNTY

Pomona Grange	Lewis B. Carter, Laceyville
Agricultural Extension Association.....	T. R. Gregory, Dalton R.D. 2
Farm Loan Association	Mrs. Emma Brunges, Tunkhannock
Horticultural Society	Hartley Kintner, Mehoopany
Producers' Cooperative Association.....	Markey Sands, Tunkhannock

YORK COUNTY

Pomona Grange	Lloyd B. Wilt, New Cumberland
Agricultural Extension Association.....	Roy Heaps, Felton
Fruit Growers' Association.....	Geo. A. Goodling, Loganville
Potato Growers' Cooperative Association...	H. H. Flinchbaugh, Loganville
Beekeepers' Association	Morgan Poff, York R.D.5

AMERICAN BREED RECORD ASSOCIATIONS

Name and Address of Secretary Given

DRAFT HORSES

THE AMERICAN ASSOCIATION OF IMPORTERS AND BREEDERS OF BELGIAN DRAFT HORSES—J. D. Conner, Jr., Wabash, Indiana.
CLYDESDALE BREEDERS ASSOCIATION OF THE U. S.—Miss Margaret Coridan, 842 Exchange Avenue, Union Stock Yards, Chicago, Illinois.
AMERICAN SHIRE HORSE ASSOCIATION—J. G. Truman, Bushnell, Illinois.
PERCHERON SOCIETY OF AMERICA—Ellis McFarland, 9 Dexter Park Avenue, Union Stock Yards, Chicago, Illinois.

DAIRY CATTLE

THE AMERICAN GUERNSEY CATTLE CLUB—Karl B. Musser, Peterboro, New Hampshire.
THE AMERICAN JERSEY CATTLE CLUB—L. W. Morley, 324 West Twenty-third Street, New York, N. Y.
THE AYRSHIRE BREEDERS' ASSOCIATION—C. T. Conklin, Brandon, Vermont.
THE BROWN SWISS CATTLE BREEDERS' ASSOCIATION OF THE UNITED STATES OF AMERICA, INC.—Ira Inman, Beloit, Wisconsin.
THE DUTCH BELTED CATTLE ASSOCIATION OF AMERICA—P. I. Horning, Wells, Minnesota.
THE HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA—Houghton Seaverns, Brattleboro, Vermont.
HOLSTEIN-FRIESIAN REGISTRY ASSOCIATION, INC.—Howard C. Reynolds, Harrisburg.
THE MILKING SHORTHORN SOCIETY—Roy A. Cook, Independence, Iowa.

BEEF AND DUAL-PURPOSE CATTLE

AMERICAN ABERDEEN-ANGUS BREEDERS' ASSOCIATION—W. H. Tomhave,
1 Dexter Park Avenue, Chicago, Illinois.

AMERICAN HEREFORD ASSOCIATION—R. J. Kinzer, 300 West 11th Street,
Kansas City, Missouri.

AMERICAN POLLED HEREFORD BREEDERS' ASSOCIATION—B. O. Gammon,
518 Old Colony Building, Des Moines, Iowa.

AMERICAN SHORTHORN BREEDERS' ASSOCIATION—F. W. Harding, 13 Dex-
ter Park Avenue, Chicago, Illinois.

RED POLLED CATTLE CLUB OF AMERICA—Harley A. Martin, Richland Cen-
ter, Wisconsin.

SWINE

AMERICAN BERKSHIRE ASSOCIATION — C. W. Mitchell, 508½ East Monroe Street, Springfield, Illinois.

CHESTER WHITE SWINE RECORD ASSOCIATION—L. P. Moore, Rochester, Indiana.

BREEDERS CHESTER WHITE RECORD ASSOCIATION—C. C. Evans, 603 Third Street, Des Moines, Iowa.

UNITED DUROC RECORD ASSOCIATION—P. J. Hanks, Peoria, Illinois.

HAMPSHIRE SWINE RECORD ASSOCIATION—E. M. Harsch, Commercial National Bank Building, Peoria, Illinois.

AMERICAN POLAND CHINA RECORD ASSOCIATION—George W. Davies, Union Stock Yards, Chicago, Illinois.

NATIONAL POLAND CHINA RECORD ASSOCIATION—C. G. McCahan, Moorman Block, Winchester, Indiana.

STANDARD POLAND CHINA RECORD ASSOCIATION—F. L. Garret, Maryville, Missouri.

NATIONAL SPOTTED POLAND CHINA RECORD ASSOCIATION—F. L. Obenchain, Bainbridge, Indiana.

AMERICAN SPOTTED POLAND CHINA RECORD ASSOCIATION—Van G. Sutliff, Moberly, Missouri.

SHEEP

AMERICAN CHEVIOT SHEEP SOCIETY, INC.—Mrs. G. W. Lough, Cooperstown, New York.

AMERICAN CORRIE DALE ASSOCIATION—Fredric S. Hultz, 1007 Sheridan St., Laramie, Wyoming.

AMERICAN COTSWOLD REGISTRY ASSOCIATION—F. W. Harding, 13 Dexter Park Avenue, Chicago, Illinois.

AMERICAN & DELAINE-MERINO RECORD ASSOCIATION—Gowdy Williamson, Zenia, Ohio.

AMERICAN HAMPSHIRE SHEEP ASSOCIATION—Mrs. Helen Tyler Belote, 72 Woodland Avenue, Detroit, Michigan.

AMERICAN LEICESTER BREEDERS' ASSOCIATION — A. J. Temple, Cameron, Illinois.

AMERICAN OXFORD DOWN RECORD ASSOCIATION—J. M. McHaffie, Clayton, Indiana.

AMERICAN RAMBOUILLET SHEEP BREEDERS' ASSOCIATION—Mrs. Dwight Lincoln, Marysville, Ohio.

AMERICAN SHROPSHIRE REGISTRY ASSOCIATION — Miss Julia M. Wade, Lafayette, Indiana.

AMERICAN SOUTHDOWN BREEDERS' ASSOCIATION — W. L. Henning, 203 Agricultural Building, State College, Pa.

CONTINENTAL DORSET CLUB—J. R. Henderson, Hickory, Pa.

NATIONAL DELAINE MERINO SHEEP BREEDERS' ASSOCIATION — I. Y. Hamilton, Houston, Pa.

NATIONAL LINCOLN SHEEP BREEDERS' ASSOCIATION—D. T. Knight, Marlette, Michigan.

GOATS

AMERICAN MILK GOAT RECORD ASSOCIATION—Will L. TeWalt, P. O. Box 196, Vincennes, Indiana.

THE INTERNATIONAL DAIRY GOAT RECORD ASSOCIATION—John P. Brox, 5326 Colby Street, Lincoln, Nebraska.

